

# TREVOR J. GOODYEAR

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## OBJECTIVE

A position that provides hard problems that can be solved through the application of my programming, computer engineering, mathematics, and information technology knowledge.

## EDUCATION

**Bachelor of Science, Computer Engineering** Armstrong Atlantic State University  
Savannah, GA Aug 2009 — Present  
Courses in Java, C++, MATLAB, VHDL; signal processing, digital prototyping, physics.  
**Certificate, Cisco Networking Specialist** Gwinnett Technical Institute  
Lawrenceville, GA Aug 2008 — May 2009  
Attended local technical college during senior year of high school. Courses in LAN and WAN theory and application. Used Cisco IOS to configure routers and switches. A+ Certification.

## EMPLOYMENT EXPERIENCE

**Computer Operator** Citi Trends, Inc  
Savannah, GA Jan 2012 — Present  
Ensure timely and correct nightly transaction processing for national clothing retailer. Transport nightly backups to offsite facility. Use VNC to collect data from stores that did not close correctly. Operate IBM AS/400 and respond to or appropriately escalate errors.

**Data Analysis Intern** Skidaway Institute of Oceanography  
Savannah, GA May 2011 — Present  
Apply machine learning techniques to oceanographic data in order to quantify and predict zooplankton migration patterns. Used principal component analysis to investigate onshore movement of zooplankton. Presented summer findings to SkIO faculty and students.

**Web Application Developer** Variux, Inc  
Powder Springs, GA Nov 2011 — Present  
Jun 2009 — Mar 2010  
Create interactive, database-driven web pages and applications using a variety of languages and technologies including: PHP, MySQL, HTML, JavaScript. Use APIs to FedEx, UPS, PayPal, and credit card processing services. Build ecommerce/shipping applications.

**Wireless Engineering Intern** Alcatel-Lucent  
Naperville, IL Summer 2010  
Created UML model of 1xEV-DO (3G voice) mobile network by reverse-engineering the latest source code. Used this model to generate accurate documentation for developers. Benchmarked bleeding-edge 12-core call processing servers. Wrote article about internship experience for monthly internal newsletter. Presented findings to peers, managers, and executives.

**Student Web Developer** Armstrong Atlantic State University  
Savannah, GA Feb 2010 — Aug 2011  
Used ExpressionEngine content management system to manage Armstrong.edu. Responded to helpdesk inquiries for website errors or corrections. Documented server usages by departments and identified unused sites. Compiled report for Director of Enterprise Applications.

## SOFTWARE EXPERIENCE

Programming: Java, C, C++  
Scripting: PHP, JavaScript, bash, Perl, Python  
Databases: MySQL, MSSQL, PostgreSQL, Access, Oracle  
Web / Presentation: (X)HTML, CSS, AJAX, jQuery, Q, L<sup>A</sup>T<sub>E</sub>X  
Computation: MATLAB, Mathematica, Maple, Sage  
Operating Systems: Windows, Linux, Cisco IOS, Solaris, VxWorks  
Modeling: Rhapsody, Visio, Microsoft Project  
Embedded system design: Altera Quartus, SOPC Builder, VHDL, C